

Вежбање

1. Попуни таблицу:

x	- 5	13	0,2	0,9	$\frac{4}{7}$
x^2					—

x	16	0,01	1,96	256	0,0144
$\sqrt{x}$					

2. Зрачунај вредност израза:

а) $\sqrt{25} - \sqrt{49} = \underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

б) $\sqrt{36 \cdot 100} = \sqrt{\hspace{1cm}} \cdot \sqrt{\hspace{1cm}} = \underline{\hspace{1cm}} \cdot \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

в) $\sqrt{1 - \frac{8}{9}} = \sqrt{\hspace{1cm} \hspace{1cm}} = \sqrt{\hspace{1cm}} = \frac{\sqrt{\hspace{1cm}}}{\sqrt{\hspace{1cm}}} = \underline{\hspace{1cm}}$

г) $\sqrt{36} + 2\sqrt{144} - \sqrt{169} + \sqrt{225} = \underline{\hspace{4cm}}$

3. На основу **примера** $\sqrt{12} = \sqrt{4 \cdot 3} = \sqrt{4} \cdot \sqrt{3} = 2\sqrt{3}$, упрости:

а) $\sqrt{18} = \sqrt{\hspace{1cm}} \cdot \sqrt{\hspace{1cm}} = \underline{\hspace{1cm}}\sqrt{\hspace{1cm}}$

б) $\sqrt{27} = \sqrt{\hspace{1cm}} \cdot \sqrt{\hspace{1cm}} = \underline{\hspace{1cm}}\sqrt{\hspace{1cm}}$

в) $\sqrt{32} = \sqrt{\hspace{1cm}} \cdot \sqrt{\hspace{1cm}} = \underline{\hspace{1cm}}\sqrt{\hspace{1cm}}$

г) $\sqrt{50} = \sqrt{\hspace{1cm}} \cdot \sqrt{\hspace{1cm}} = \underline{\hspace{1cm}}\sqrt{\hspace{1cm}}$

д) $\sqrt{72} = \sqrt{\hspace{1cm}} \cdot \sqrt{\hspace{1cm}} = \underline{\hspace{1cm}}\sqrt{\hspace{1cm}}$

ђ) $\sqrt{80} = \sqrt{\hspace{1cm}} \cdot \sqrt{\hspace{1cm}} = \underline{\hspace{1cm}}\sqrt{\hspace{1cm}}$

е) $\sqrt{162} - 3\sqrt{50} + \sqrt{128} = \sqrt{\hspace{1cm}} - 3\sqrt{\hspace{1cm}} + \sqrt{\hspace{1cm}}$

$$= \underline{\hspace{1cm}}\sqrt{\hspace{1cm}} - 3 \cdot \underline{\hspace{1cm}}\sqrt{\hspace{1cm}} + \underline{\hspace{1cm}}\sqrt{\hspace{1cm}} =$$

$$= \underline{\hspace{1cm}}\sqrt{\hspace{1cm}} - \underline{\hspace{1cm}}\sqrt{\hspace{1cm}} + \underline{\hspace{1cm}}\sqrt{\hspace{1cm}} = \underline{\hspace{1cm}}\sqrt{\hspace{1cm}}$$